

P3



Dipartimento per le Politiche di Coesione
Presidenza del Consiglio dei Ministri



*Agenzia per la
Coesione Territoriale*

PROJECT BOOKLET

PROMOTION OF SUSTAINABLE GROWTH OF THE AI REGION BY
IMPLEMENTING ICZM AND MSP ALSO TO CONTRIBUTE CRF ON ICZM
OF BARCELONA CONVENTION AND THE MONITORING AND
MANAGEMENT OF MARINE PROTECTED AREAS

Interreg 
ADRION **ADRIATIC-IONIAN**
European Regional Development Fund - Instrument for the Accession & Fund
EUSAIR FACILITY **POINT**


EU Strategy for the
Adriatic and Ionian Region
EUSAIR


**EUSAIR
STAKEHOLDERS
PLATFORM**

WHY THIS BOOKLET

All the programs in the EUSAIR area funded a lot projects that turned out into great results. These results are a common and sound ground we can build together upon, so to explore common paths that support the embedding of the EUSAIR in the 2021-2027 programs.

In this booklet you will find a first and not exhaustive list of projects whose results are coherent with the strategic projects that emerged for each pillar of the EUSAIR. The collected projects are not the only ones and we warmly invite to contribute to a better and more complete list of inspirational projects that can serve as a common basis for embedding EUSAIR.

Consider this collection as a first step and pure food for thought that can feed mutual knowledge and support the co-creation process among all the programs and the Managing Authorities.

The same purpose considered, please visit also the database of the projects and of the results for the EUSAIR area that can be accessed through the following link:

<http://esp.aimacroregion.eu>

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1

HARMONIA**Harmonization and Networking for contaminant assessment in the Ionian and Adriatic Seas**

V-B Adriatic - Ionian

In the framework of enhancing the capacity to tackle environmental vulnerability and safeguard ecosystem services at transnational scale, the objective of HarmonIA is to share best practices to support the harmonized implementation of marine environmental directives in the ADRIION region and to strengthen the network of data infrastructures to facilitate access and re-use of marine data among countries bordering the Adriatic – Ionian Seas. HarmonIA will strengthen the existing transnational network of data infrastructures to facilitate access and re-use of marine data among countries bordering the Adriatic – Ionian Seas.

Expected outputs: The main expected results consist in the establishment of an Adriatic – Ionian network involved in the assessment of marine contaminants, in the definition of best practices to tackle monitoring, assessment and evaluation of impacts due to contamination, in the regional aggregated dataset of contaminants for the Adriatic – Ionian region and in case studies of environmental vulnerability of marine and coastal zones to contaminant dispersion.

<https://harmonia.adrioninterreg.eu>

geoPORTal of TOols & Data for sustainable Management of coAstal and maRine Environment

V-B Adriatic - Ionian

PORTODIMARE

2

PORTODIMARE project aims at creating a common platform (Geoportal) for data, information and decision support tools focused on coastal and marine areas of the Adriatic-Ionian Region. Through this approach, most of the available knowledge and resources will be efficiently organized and made accessible through a single virtual space, thus supporting coordinated, regionally / transnationally coherent and transparent decision-making processes, with the perspective of remaining operative and being expanded well beyond the project conclusion.

Expected outputs: The main result of the PORTODIMARE project is the design and implementation of the Geoportal, a permanent open and interoperable platform which enable access to all information, data and tools that are necessary and relevant to support the sustainable management and the strategic planning of the coastal zones and maritime space in the Adriatic and Ionian Region.

<https://portodimare.adrioninterreg.eu>

3

ECOWET**Wetlands Ecosystem Services Assessment
in Croatia-Serbia cross border region**
IPA CBC Croatia - Serbia

Main approach to be used is to introduce and apply new EU methodology for ecosystem services (ES) assessment and innovative methods for ecosystems conservation and awareness raising. ES assessment will provide measurable data on services that wetlands provide to local communities. that will be used for planning of ecosystem conservation in pilot areas. Main objective of the project is to contribute to the protection and sustainable use of wetland ecosystems in Danube floodplain in Croatia – Serbia cross border region by their assessed ecosystems services (ES).

Expected outputs: Main project outputs: Guidelines on ES mapping and assessment, Capacitated stakeholders for ES mapping, assessment and action planning, Mapped an assessed ES in pilot areas, Pilot action plans, Operational ecosystems processors (constructed wetland) for water purification and awareness raising Target groups: Protected areas manager, Local government, CSOs, Local communities, educational institutions, public utilities companies, resources users.

<https://www.interreg-croatia-serbia2014-2020.eu/project/ecowet/>

**Implementation of cross-border joint actions
toward environment protection in agriculture**
IPA CBC Croatia - Serbia**IMPACT-ENVI**

4

Main project objective of the IMPACT-ENVI project is to establish monitoring system in all NUTS3 counties, so that chemical and ecological status of water is determined, dangerous substances and organic soil pollutants are analysed, as well as status of agricultural products, livestock manure, fodder and health status of animals, in purpose of determining the impact of agricultural production on the environment.

Expected outputs: 1. Established screening of current soil status in project area. 2. Established screening of current chemical and quality water status in project area. 3. Established screening about livestock production status in project area. 4. Established screening about pollutant and structure of vegetable and crop production in project area. 5. Established screening about invasive species, diseases and pests. 6. Increased sustainable management capacity in project area.

<https://www.interreg-croatia-serbia2014-2020.eu/project/impact-envi/>

5

BLUECOAST

**Climate-Smart Coastal Practices
for Blue governance**
IPA CBC Greece - Albania

BLUECOAST involves the cooperation of Greece and Albania to implement actions for the conservation of some of the most important habitats of the loggerhead sea turtle *Caretta caretta* in the Mediterranean, in Zakynthos island (Greece) and the Himara Municipality (Albania). The challenge is to establish cross-border cooperation and horizontal synergies in order to cover specific conservation needs & improve policies efficiency and also to establish critical conditions and pro-active methods for the long-term conservation of the species.

Expected outputs: Some immediate results are: -Elimination/mitigation of coastal degradation of the *C. caretta* habitats -Elimination of various stress parameters -Upgrade of monitoring of valuable data series -Engagement and awareness -Establishment of post-capture procedures -Policies improvement -Training.

Long-term results: i) *C. Caretta* pre-mature mortality decrease, ii) Increase of nests, iii) Expansion of protection zoning iv) Better ecological status, v) increase the conservation level.

<http://bluecoast-cbc.eu/index.php/project/>

**Development of management Tools and diRectives for immediate
protection of biodiversity in coastal areas affected by sea erosion
and establishment of appropriate environmental control systems**
V-A Greece - Italy

TRITON

6

Triton is based on a system of cross border actions which will lead PP to develop a model of Integrated Coastal Management Zone (ICZM) between Apulia and Western Greece in order to 1) increase the cost-effectiveness of decisions made in the field of coastline management; 2) reduce and optimise the expenditure related to coastal data production and processing through common GIS/SIT web based tools; 3) support a wider diffusion of better integration of coastal erosion concerns; 4) transfer of knowledge; 5) assessment of common monitoring methodologies and mapping of risk tools ; 6) support the municipalities and operators in fund raising and access to EIB/EIF/EASME programmes.

Expected outputs: Main results of the project will be a toolkit of policy instruments for policy makers, a web-based participatory GIS/SIT tool empowering inhabitants and visitors to communicate effectively with the local and regional authorities, a set of shared indicators and decision support tools for the operational mapping and monitoring of coastal erosion risk.

<https://greece-italy.eu/rlb-funded-projects/triton>

Common plans for biodiversity conservation and sustainable targets for the development of a bilateral network of protected areas

IPA CBC Greece - Republic of North Macedonia

COMBINE2PROTECT will address nature conservation challenges. This ambitious project aims to provide a solid basis for common and effective conservation initiatives through the establishment of a common network of Protected Areas (PAs) between the two countries.

The project beneficiaries will design a common network to increase current & future connectivity and ecological functionality, with emphasis on priority species & habitats. New sites within the two countries will be identified in order to be included in the conservation network. Furthermore, monitoring and protection at key sites will be optimized.

Expected outputs: - Develop a strategic plan and provide infrastructure to reduce irrigation water needs - Apply measures to improve conservation status of priority habitats and species - Determine ecological properties, borders and hydrology of the critical ecosystem - Develop Regional Biodiversity Strategy-Action Plan, maps of key habitats, species & sensitivity of the South-East region. - Develop, test and implement Earth Observation techniques & innovative methods for monitoring conservation status and threats.

http://www.ipa-cbc-programme.eu/approved-project/46/?fbclid=IwAR0sYHodEDaX_vuLnafD-O2ETRdDhjo8df35-YfCGDimAmAlwpl4rL6m6Es

Development of management Tools and diRectives for immediate protection of biodiversity in coastal areas affected by sea erosion and establishment of appropriate environmental control systems

V-A Greece - Italy

ADRINET is a comprehensive bunch of actions focused to improve a joint coastal management system and to create governance plans to preserve biodiversity and coastal ecosystems of the Programme Regions. Fishermen will be involved in activities directed to coastal environment protection, participating in sea cleaning campaigns, in study visits and in training sessions about the use of innovative methodologies. Furthermore, ADRINET will contribute in defining a common strategy and shared tools and documents to provide guidance on how to apply environmental and spatial assessment and planning in a risk management structure, focusing on fishing impact on environment. Finally, ADRINET provides services, scientific support and skills for fishery professionals and for consumers, in order to make fish consumption safer and compliant with EU rules and guidelines.

Expected outputs: ADRINET will design and edit 1 Memorandum of Understanding, 1 Protocol and 1 Handbook, adopted by all the partners involved and communicate to other relevant stakeholders, in order to define a common, multilateral and trans-border policy for the sustainable use of marine ecosystems and for ghost-fishing tackling. It will set up 3 CRs where to share good practice and knowledge about integrated coastal management, conducting informative campaigns and implementing seafloor mapping and cleaning actions using the tools developed during the project.

<https://greece-italy.eu/rlb-funded-projects/triton>

Low Adriatic Species and Habitat

IPA CBC Italy – Albania – Montenegro

Four management bodies of parks and protected areas in Italy and both national agencies for the management of national parks of Albania and Montenegro will implement together a common action to promote and support the biodiversity safeguard and to develop joint management plans for cross-border habitat and ecosystem. For each identified species/habitat PPs will develop a specific pilot project activity and plan (together) common cross - border guidelines for the management in the program area of the same species/habitat.

Expected outputs: The project will create a network of Bodies cooperating for nature conservation and the better management and improvement of Natura 2000 sites, exchanging best practices and developing a common transnational strategy for the conservation of habitats and species they have in common, and needing coordinated conservation measures. To this purpose, T1 foresees the development of a TJS for the better management of Natura 2000 sites and JTSPs on target habitat and species responding to 92/43/EEC and the 79/409/EEC Directives.

<https://laspeh.italy-albania-montenegro.eu>

Water Landscapes sustainability through reuse of Marine litter

IPA CBC Italy – Albania – Montenegro

The WELCOME project is mainly aimed at developing a soft method based on an art-driven reuse of wood ML to make anti-erosion coastal systems in a sustainable, circular economy based approach. The involvement of the major stakeholders, including local public administrations, owners of bathing establishments, fishery cooperatives, diving centers, marinas managers, voluntary groups and environmental organizations, will be a key aspect of the cross-border policy-making aim and increase of public awareness on ML and CE.

Expected outputs: The main expected results of the project are: i) the set up of integrated initiatives in the field of coastal environmental biodiversity safeguard consisting in the joint development of a cross-border ML plan in the frame of ICZM aiming at enhancing and safeguarding cross-border water landscapes, and ii) the creation of a sustainable value chain based on the innovative reuse of ML by artists and architects that will design coastal anti-erosion defense systems for dune consolidation.

<https://welcome.italy-albania-montenegro.eu>

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ADRIACLIM**Climate change information, monitoring and management tools for adaptation strategies in Adriatic coastal areas**

V-A Italy - Croatia

AdriaClim will develop accurate information able to support the development of regional and local climate change adaptation plans. In particular coastal adaptation planning, for a sustainable blue economy, will be developed based on reliable and accurate information on local sea level rise, sea temperature and salinity, coastal erosion, etc. AdriaClim will contribute to fill the gaps (lack of geographical coverage) in existing observing systems and will enhance and complement the existing modelling capacity (e.g. Med-CORDEX) by developing high resolution integrated models

Expected outputs: AdriaClim will increase the capacity of climate change monitoring and of developing advanced climate adaptation planning increasing the level of resilience of the whole Adriatic Sea coastal areas. It will therefore increase the population benefiting from adaptation and mitigation actions planning. Moreover, the adaptation planning capacities will be developed with local, regional, and national authorities that will validate them and will have the interest in maintaining them also after the project end.

<https://www.italy-croatia.eu/web/adriaclim>

ShARed GOvernance of Sustainable fisheries and aquaculture activities as leverage to protect marine resources in the Adriatic Sea

V-A Italy - Croatia

12

ARGOS

The general objective of ARGOS is to promote and apply a common integrated approach in the protection of marine resources and in the preservation of good environmental status of Adriatic sea, built upon both institutional and operative actions oriented to reduce directly and indirectly the human pressure by fisheries and aquaculture activities on marine habitats and species. ARGOS sets up a common framework for governance where all Institutions competent for fisheries and aquaculture in the Programme area act as a whole in the management and protection of shared biological resources, under the best scientific guidance.

Expected outputs: Improve the climate change monitoring and planning of adaptation measures tackling specific effects, in the cooperation area.

<https://www.italy-croatia.eu/web/argos>

CASCADE will develop a set of concerted and coordinated actions including monitoring and management to enhance the knowledge and to evaluate the quality and assess the vulnerability of inland, coastal and marine ecosystems in Italy and Croatia with the final objective to restore endangered species and to support integrated management. The project will consolidate long-lasting research capabilities in the field through a concrete dialogue with stakeholders and the participation of Agencies, research centers and universities in order to enhance inland, coastal and marine knowledge.

Expected outputs: 1) Integrated monitoring and modeling tools; 2) 11 Pilot restoration actions / integrated management plans addressed to marine endangered species and related ecosystems; 3) Data platform collecting information and data regarding monitoring and 4) MSP, ICZM, LSI decision support framework.

The project DORY, capitalizing the results of the IPA Adriatic ECOSEA project, intends to promote the adoption of common management models for supporting sustainable fisheries and development of alternative spatial management measures. The pilot activities will test the innovative solutions for reducing the negative aquaculture ecological impact of the economic activities and to, on the other hand, enhance the biodiversity of fish habitats.

Expected outputs: - Guidelines for the implementation of sustainable fishing management model.
- MSP tool (DISPLACE) for integrated management of the sea.
- Recommendation for policy makers.
- Pilot actions to enhance nursery areas and reduce aquaculture impact.
- 2 Cross-Border Know-How Exchanges.
- 2 Learning Labs training events for MPAs managers and technicians.
- 1 Technical event for Policy Makers.

Blue technology – Developing innovative technologies for sustainability of Adriatic Sea

V-A Italy - Croatia

Innovamare project aim is to enhance framework conditions on cross-border level by jointly develop and implement strategical and operational level capacity that consist of mix of policy instruments and innovation players as a frame for development of innovative technologies for sustainability of Adriatic Sea. Project is set up on mission-oriented approach that rather than focusing on sectors – as in traditional industrial policy – mission-oriented policy focuses on problem-specific societal challenges, which many different sectors interact to solve.

Expected outputs: 1. development of a cross-border network for scientific-research sector and the private sector; 2. Developed methodology and business plan for DIH for innovative underwater robotics and sensors and living lab; 3. Designed and implemented questionnaire for stakeholders; 4. Tools and workshop materials; 5. Pilot action I. - creating a prototype for development of solutions for monitoring and prediction of the sea pollution; 6. Pilot action II. – analysis and guidelines for the improvement of underwater conditions; 7. Digital innovation Hub 8. strategy and action plan; 9. Policy recommendations.

<https://www.italy-croatia.eu/web/innovamare>

Safe Anchoring and Seagrass Protection in the Adriatic Sea

V-A Italy - Croatia

The overall objective is to improve seagrass preservation and restoration through: laying safe anchorage innovative systems, performing pilot transplantations, carrying out monitoring activities and by defining an integrated management system for seagrasses in Adriatic area. The main outputs referred to the activities are: a Monitoring system with 2 data collections/monitoring campaigns, the placement of environmentally friendly anchoring systems, pilot transplantations of seagrasses and an Integrated Management System for seagrasses in the Adriatic area, made by a GIS Digital Information Platform and a Marine Seagrass Safeguard Integrated Management Program.

Expected outputs: The monitoring system permits to record the quality assessment of natural sites for the institutional necessities also after the end of the project. Actions developed will prevent marine seagrasses impact from leisure traffic, mooring, human impact and minor disturb permanently; the transplanted species will grow implementing the ecological role also after the project. Integrated Management System will give indications both on presence of species and on the correct behavior in involved areas to protect biodiversity and allow its restoration after project end.

<https://www.italy-croatia.eu/web/saspas>

**Soundscapes in the north Adriatic sea
and their impact on marine biological resources**
V-A Italy - Croatia

The main objective of the project is to create a cross-border technical, scientific and institutional cooperation to face together the challenge of assessing the impact of underwater environmental noise on the marine fauna and in general on the NAS ecosystem. This cooperation aims to ensure an efficient protection of marine biodiversity and to develop a sustainable use of marine and coastal ecosystems and resources.

Expected outputs: Monitoring network, operational for a year is mostly located on existing long term monitoring sites and it can be implemented back any time after the project end. Underwater noise databases and acoustic diversity and complexity indices can last forever as reference for future analyses. Soundscape maps will be accessible for a period of 4 years through a dedicated online interface enabling their integration to any GIS based software. Identification of mitigating measures for noise on endangered marine life and habitat suitability model will provide the basis for underwater noise management.

<https://www.italy-croatia.eu/web/soundscape>

**Trezze, Tegnue and marine environments
of the upper Adriatic: management proposals**
V-A Italy - Slovenia

The results of the Treccorala project allowed evaluation of the ecological status of the geo-biogenic formations. They had been recognized as Sites of Community Interest due to the presence of priority habitats such as Coralligenous and rodolite and maerl funds.

Expected outputs: Results of TRETAMARA will help strengthen ecosystem management by improving the conservation of the status of habitats and species. They also will help to define tools for ecosystem services assessment and promotion. Foreseen activities foresee the identification and collection of existing material on habitats and of eventual management plans. Results from all projects implemented in the programme area will be taken into consideration as well as the actions already implemented for the preparation of management plans. Data will be published on the project website and made available as OpenData through WMS and WFS services to partners and public..

<https://www.ita-slo.eu/en/tretamara>

TO KNOW MORE

<https://etc-eusair-network.eu/data>

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